



Atty. Dkt. No. 039153-0646 (HO975)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Paton et al.

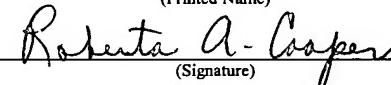
Title: FRONT SIDE SEAL TO  
PREVENT GERMANIUM  
OUTGASSING

Appl. No.: 10/620,194

Filing Date: 07/15/2003

Examiner: Joannie A. Garcia

Art Unit: 2823

<b>CERTIFICATE OF EXPRESS MAILING</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
EV 459170915 US (Express Mail Label Number)	02/07/05 (Date of Deposit)
Roberta A. Cooper (Printed Name)	
 (Signature)	

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

02/10/2005 EABUSAK1 00000151 10620194

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

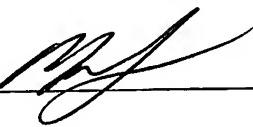
**FEE**

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447.

Respectfully submitted,

Date 2/7/2005

By 

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FEB 07 2005

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**Substitute for form 1449B/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Date Submitted: February 7, 2005  
*(use as many sheets as necessary)*

Sheet

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of

2

**Complete if Known**

<b>Application Number</b>	10/620,194
<b>Filing Date</b>	07/15/2003
<b>First Named Inventor</b>	Eric N. Paton
<b>Group Art Unit</b>	2823
<b>Examiner Name</b>	Joannie A. Garcia

Attorney Docket Number 039153-0646 (H0975)

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A19	Written Opinion of the International Searching Authority; International Application No. PCT/US2004/007464; International Filing Date 03-11-2004; 6 pgs.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and note reasons for nonconformance. Initial if reference considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO  
International Patent Classification numbers for international patent documents; the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/620,194
Date Submitted: February 7, 2005 <i>(use as many sheets as necessary)</i>				<b>Filing Date</b>	07/15/2003
				<b>First Named Inventor</b>	Eric N. Paton
				<b>Group Art Unit</b>	2823
				<b>Examiner Name</b>	Joannie A. Garcia
Sheet	2	of	2	Attorney Docket Number	039153-0646 (H0975)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A20	International Search Report; International Application No. PCT/US2004/007464; mailed 01/09/2004; 3 pgs.	
	A21	OHKUBO, Satoshi; TAMURA Yasuyuki; SUGINO, Rinji; NAKANISHI, Toshiro; SUGITA, Yoshihiro; AWAJI, Naoki and TAKASAKI, Kanetake; "High Quality Ultra-Thin (4nm) Gate Oxide by UV/O <sub>3</sub> Surface Pre-Treatment of Native Oxide"; 1995 Symposium On VLSI Technology; Digest of Technical Papers; June 6-8, 1995; Kyoto, Japan; 3 pgs.	
	A22	Written Opinion of the International Searching Authority; International Application No. PCT/US2004/000982; International Filing Date 01-13-2004; 6 pgs.	
	A23	International Search Report for PCT/US2004/000982, 4 pages.	
	A24	Wolf, Stanley, Ph.D. and Tauber, Richard N., Ph.D.; "Silicon Processing For The VLSI Era"; Vol. 1: Process Technology; Lattice Press; 1986; pp. 57-58, 194	
	A25	Ghandhi, Sorab K. "VSLI Fabrication Principles"; John Wiley and Sons; 1983; pp. 422-423	
	A26	VAN ZANT, Peter, "Microchip Fabrication", McGraw Hill, 1977, pages 31 and 39	
	A27	VOSEN, John L. and KERN, Werner, "Thin Film Processes II, Academic Press, 1991, page 333	
	A28	RIM, K., WELSER, J., HOYT, J.L., and GIBBONS, J.F., "Enhanced Hole Mobilities in Surface-channel Strained-Si p-MOSFETs", 1995 International Electron Devices Meeting TECHNICAL DIGEST, 5 pages.	
	A29	WELSER, J., HOYT, J.L., TAKAGI, S. and GIBBONS, J.F., "Strain Dependence of the Performance Enhancement in Strained-Si n-MOSFETs", 1994 International Electron Devices Meeting TECHNICAL DIGEST, San Francisco, CA December 11-14, 1994, 5 pages.	

Examiner Signature	Date Considered
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<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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